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Timestamp: [year=2009; month=12; day=1; hr=11; min=4; sec=25; ms=547; ]

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Application No: 10594597 Version No: 2.0

Input Set:

Output Set:

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Total Warnings: 0  
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No. of SeqIDs Defined: 100  
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# SEQUENCE LISTING

<110> IKEDA, Kazutaka et al.

<120> METHOD OF EVALUATING DRUG SENSITIVITY BY ANALYZING THE MU-OPIOID  
RECEPTOR GENE

<130> 0649-1380PUS1

<140> 10594597

<141> 2009-11-16

<150> PCT/JP05/06701

<151> 2005-03-30

<150> JP2004-106136

<151> 2004-03-31

<160> 100

<170> PatentIn version 3.5

<210> 1

<211> 101

<212> DNA

<213> Homo Sapiens

<400> 1

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<211> 101

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<213> Homo Sapiens

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aattaaccac tttttccgtg gatcactatt tttatttaaa g 101

<210> 3

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<400> 8  
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 atatgtttta tatagaaaga aacacagaga gtgagggagg g 101

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<213> Homo Sapiens

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<400> 10  
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aacatatgat tcaccaggca taagaagaaa gtttccgtaa t 101

<210> 12  
<211> 101  
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<213> Homo Sapiens

<400> 12  
tccacatgaa ctaagcacia aggaactgaa tgcaggcaga cagatttcag ytcaatataa 60  
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<210> 13  
<211> 101  
<212> DNA  
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<400> 13  
tgttttctcat ttctttttca gaaaataaag gatcgctggt gttcccaaca kgttttagg 60  
gaagaaaatt ggagaaacat tattaccttt tcttagatgt t 101

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<213> Homo Sapiens

<400> 14  
 tagggtttca tcaagccaat gtattccctg ccagatttta aggagaaaaa kgcgctggaa 60  
  
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 acccatgctgg tccgaaccgc accgacctgg gcgggagaga c 101

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<210> 17  
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<400> 17  
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<210> 18  
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 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (51)..(52)  
 <223> "ac" at positions 51-52 repeats indefinitely

<400> 18  
 acttatgaaa aaggtagttg agcaatatga aggccatgat gtggaattaa acatgctgga 60  
  
 ttctaaaatg tgtccttcct cctctcactc tcttgatcag tt 102

<210> 19

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 <213> Homo Sapiens

<400> 19  
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 tttgtaagta gtaatagttg gagaaatgtg tgaagaatag g 101

<210> 20  
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 <213> Homo Sapiens

<400> 20  
 ggtcaaaaga taaataagaa ttatittata accataagaa aggaagaaca kctataaaca 60  
 aaagtcatat atgcaacata aaagaatagg tgagctgcca g 101

<210> 21  
 <211> 101  
 <212> DNA  
 <213> Homo Sapiens

<400> 21  
 ttctggaagt tccataaaaa tcaactctaatt ggggtcaaaca tcgatgggtc kcagaagaac 60  
 acaatttttt tcaaaaacga atagcattgt aaattcattt g 101

<210> 22  
 <211> 101  
 <212> DNA  
 <213> Homo Sapiens

<400> 22  
 tacaacaaaa tacaggcaag gtgagtgatg ttaccagcct gaggaagga rgggtcacag 60  
 cctgatatgt tgggtgatgtc ataagcaaag cagtatttat g 101

<210> 23  
 <211> 101  
 <212> DNA  
 <213> Homo Sapiens

<400> 23  
 tttatatcaa tatagacctc atggaggatc tagctcatgt tgagagggtc rtttttggtc 60  
 cctgaacgaa agcttaatgt gatcgaagtg gactgcaaaa t 101

<210> 24  
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 <212> DNA

<213> Homo Sapiens

<400> 24  
ttccacaatt tctttatagc ctttaagttag ctctgggtcaa ggctaaaaat saatgagcaa 60  
aatggcagta ttaacacctt atgacataat taaatgttgc t 101

<210> 25  
<211> 101  
<212> DNA  
<213> Homo Sapiens

<400> 25  
ctctaattac tattattaaa gcactttctt gacattttta tcaaaatagc rrggtcaagaa 60  
gttaggagat gctctgtatt tggtttaact gtgaactata t 101

<210> 26  
<211> 101  
<212> DNA  
<213> Homo Sapiens

<400> 26  
acatcactct caaaagttga tctcagtttt tttacaaga catctgtgga ragttaat 60  
gggaaagtaa ttgtttcaat tcaatgggaa aaaaaactca a 101

<210> 27  
<211> 130  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (51)..(80)  
<223> n represents 11 to 15 repeats of "gt"

<400> 27  
atcaaaatgg ctattctttc agttctacag tttaaaaaga aaatggttcc nnnnnnnnnn 60  
nnnnnnnnnn nnnnnnnnnn gcgtgtgata taggcatgtc tctttttgca tgtatggaat 120  
tagagtaa 130

<210> 28  
<211> 101  
<212> DNA  
<213> Homo Sapiens

<400> 28  
aaagaaaatg gttccgtgtg tgtgtgtgtg tgtgtgtgcg tgtgatatag rcattgtctct 60



ttttgcatgt atggaattag agtaaattgta ggtttaaaat t 101

<210> 29

<211> 101

<212> DNA

<213> Homo Sapiens

<400> 29

tgatatatat cataacatat tatatattat attatgatat atatcataac rtgtattatc 60

atattatgat atatatcata acatatatat tatcatatta c 101

<210> 30

<211> 101

<212> DNA

<213> Homo Sapiens

<400> 30

acatgtatta tcatattatg atatatatca taacatatat attatcatat yacgatatat 60

atcataacat attatatatt atcatattat gatatatatc a 101

<210> 31

<211> 644

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (51)..(594)

<223> n at positions 51 to 594 represents 2 to 17 repeats of  
"attatcatattatgacatatatcataatat"

<400> 31

tatgacatat cataatatat attatcatat tatgacatat cgtaatatat nnnnnnnnnn 60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 480

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 540

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnatcaaa 600

aagtcacaga gctcatgcaa gcccagtcac ccccatggcc agtg 644

<210> 32  
<211> 101  
<212> DNA  
<213> Homo Sapiens

<400> 32  
aatatatatt atcatattat gacatatatc ataatatata ttatcatatt rtgacatata 60  
  
tcataatata tatcaaaaag tcacagagct catgcaagcc c 101

<210> 33  
<211> 101  
<212> DNA  
<213> Homo Sapiens

<400> 33  
taaaatgtac tctttatttc tcaactgggtt ctccatactg caggctcccc rcatattatt 60  
  
ttctttttttt aactcagctc agaatcctta tgccttttga a 101

<210> 34  
<211> 101  
<212> DNA  
<213> Homo Sapiens

<400> 34  
atctaggttag acagccaagt cagatggccc atgcctagaa gctctccatt ytgaactttt 60  
  
gtcagcattg attaaaagaa tcaaatacct tgtagttatc t 101

<210> 35  
<211> 101  
<212> DNA  
<213> Homo Sapiens

<400> 35  
cagccaagtc agatggccca tgcctagaag ctctccattt tgaacttttg ycagcattga 60  
  
ttaaaagaat caaatacctt gtagttatct atgatgatac a 101

<210> 36  
<211> 101  
<212> DNA  
<213> Homo Sapiens

<400> 36  
ttatgtggac tcaaccacg tatccagtag atgggaaaaa acaaaagcca raataagttt 60  
  
tttagtggtt ccttctgatg aagtttcatg tttgcttgta a 101

<210> 37  
 <211> 101  
 <212> DNA  
 <213> Homo Sapiens

<400> 37  
 aacaaaagcc aaaataagtt ttttagtggt tccttctgat gaagtttcat rtttgcttgt 60  
 aataatctcc atttctcaaa tattatgttc cataatagac a 101

<210> 38  
 <211> 101  
 <212> DNA  
 <213> Homo Sapiens

<400> 38  
 atgcttttca tgggctagga tggtttctcc caagagatga catagtattg yttttgctca 60  
 tcaggctggt tctcagcaat cattgtttct gcttaatacc a 101

<210> 39  
 <211> 101  
 <212> DNA  
 <213> Homo Sapiens

<400> 39  
 gctcctagta cgaattatct ggcattgtga gagcaacttt gtcttcaagt rggacctgat 60  
 ctatcttttt ccacaaatgt catgtgtgtg aacaagtttc t 101

<210> 40  
 <211> 101  
 <212> DNA  
 <213> Homo Sapiens

<400> 40  
 attctaaagt aaataataaa taagggtcatt gtcaacgttt ttcattcaaa rccatttttt 60  
 aacgtaaatt tgctagaacc accttccaat tccaaggcaa g 101

<210> 41  
 <211> 101  
 <212> DNA  
 <213> Homo Sapiens

<400> 41  
 taataaataa gggtcattgtc aacgtttttc attcaaaacc attttttaac rtaaatttgc 60  
 tagaaccacc ttccaattcc aaggcaagga gagacattac a 101

<210> 42  
 <211> 101  
 <212> DNA  
 <213> Homo Sapiens

<400> 42  
 ctcaactgga tgggctaagg tttctgataa aatctgaaga taaagaaaat sgaatattct 60  
  
 gcttttttct tccttctaata ttcacccttg cctaaggatg a 101

<210> 43  
 <211> 101  
 <212> DNA  
 <213> Homo Sapiens

<400> 43  
 tttttcttcc ttctaatttc acccttgccct aaggatgaga tttcttccca sgttggtatc 60  
  
 ccagaaatgc agactgtagc tatggggcgg aagctttggt t 101

<210> 44  
 <211> 101  
 <212> DNA  
 <213> Homo Sapiens

<400> 44  
 ttgcctaagg atgagatttc ttcccagggtt ggtatcccag aaatgcagac ygtagctatg 60  
  
 gggcggaagc ttgttttctt tacctgatca cttgctgtgg a 101

<210> 45  
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 <212> DNA  
 <213> Homo Sapiens

<400> 45  
 atttcttccc aggttggtat cccagaaatg cagactgtag ctatggggcg raagctttgt 60  
  
 ttctttacct gatcacttgc tgtggaaatt ctagcttatt g 101

<210> 46  
 <211> 101  
 <212> DNA  
 <213> Homo Sapiens

<400> 46  
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 tggtgagtct ctaggaccct gctatcctat cccaacaggg c 101

<210> 47  
 <211> 101

<212> DNA  
 <213> Homo Sapiens

<400> 47  
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 ctaatgtggc catttgaaac acttctcaac attgaaatag a 101

<210> 48  
 <211> 101  
 <212> DNA  
 <213> Homo Sapiens

<400> 48  
 gaagtttttaa aataacctct tctaagacac ggctatgagt aggtaagaga kcattcatte 60  
 ctttcaataa tatgactgtg ttgataaaaac tgataaccat t 101

<210> 49  
 <211> 101  
 <212> DNA  
 <213> Homo Sapiens

<400> 49  
 aactgataac cattcacttg caaatgttat tattgaataa gtctcactta kctcatttaa 60  
 tattacccaa aagatgctaa caaattctgt ttccacatt g 101

<210> 50  
 <211> 101  
 <212> DNA  
 <213> Homo Sapiens

<400> 50  
 gccaaagcaa cctaagaata ggacatggta gcttaagttt ttcagcttct yaactggcca 60  
 cacacacaca agttgtgttt gtacaattct tgagggtcaat c 101

<210> 51  
 <211> 101  
 <212> DNA  
 <213> Homo Sapiens

<400> 51  
 caaacaatat tactgtgttc taagegcttc tgttactcga aaggggtctg rtccagaccc 60  
 caaaagaggg ttcttgacc tcatgcaaga aagaattcag g 101

<210> 52  
 <211> 101  
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<220>  
 <221> misc\_feature  
 <222> (51)..(51)  
 <223> "a" repeats indefinitely

<400> 52  
 ggtttgtttt aagtaagcca ctttcctccc tgcaagtccc cacggagcag aggaggaaac 60  
 tttttcctgg gagcccaacta atcacacagt gaacaaaagg c 101

<210> 53  
 <211> 101  
 <212> DNA  
 <213> Homo Sapiens

<400> 53  
 taagaaagca aaggaataaa gaatggctac tccataggca gcgtagcccc magggctgct 60  
 ggttggctat ttttgtggtt atttcttgat tatatgctaa a 101

<210> 54  
 <211> 101  
 <212> DNA  
 <213> Homo Sapiens

<400> 54  
 gtcgctctgg ttcaaacacc tctgacactt gaattacaaa tataaggacc rttgacactg 60  
 agattttaag ggaggaaaaa cagattgaca gtggactaaa g 101

<210> 55  
 <211> 101  
 <212> DNA  
 <213> Homo Sapiens

<400> 55  
 gcaaggttaag aatcaagtag aaatgataaa gggcaaggaa aaaagatgaa mgcttactca 60  
 tattaaccat tctaccattg gaattatttg ccaacacacc t 101

<210> 56  
 <211> 101  
 <212> DNA  
 <213> Homo Sapiens

<400> 56  
 gacagtgggg aaaattcatc ttcataattgt cacatgcact gtaataggaa kgtttagcaa 60  
 aaaaaacctt ccagagaaag gtggtttcca atattaccta c 101

<210> 57  
<211> 101  
<212> DNA  
<213> Homo Sapiens

<400> 57  
gcaaaaaaaaa ccttcagag aaaggtggtt tccaatatta cctacaactt setttgcaat 60  
  
ttgatttttg aaaggaccta aaagttgaaa acaggctatc a 101

<210> 58  
<211> 422  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (51)..(372)  
<223> n at positions 51-372 represents a sequence having 322bp (SEQ ID  
NO: 99) or deletion

<400> 58  
taaattgtttt atttaagttt gcattgccca ctaaggetag acattttttt nnnnnnnnnn 60  
  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120  
  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180  
  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240  
  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300  
  
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360  
  
nnnnnnnnnn nngataaatt cacagggtta caaaatacca aacggaaatg agataagtgg 420  
  
ta 422

<210> 59  
<211> 101  
<212> DNA  
<213> Homo Sapiens

<400> 59  
ggcccggtta gacatttttt gataaattca cagggttaca aaataccaaa yggaaatgag 60  
  
ataagtggta taaaccacag aagatatagg agaagagaaa a 101

<210> 60  
<211> 101  
<212> DNA  
<213> Homo Sapiens

<220>  
 <221> misc\_feature  
 <222> (51)..(51)  
 <223> n represents "a" or deletion

<400> 60  
 tgagataagt ggtataaacc acagaagata taggagaaga gaaaaaaaaa ngaggaaata 60  
 aagaagacaa ctcttttcct aagagtctgg gtaaaattga a 101

<210> 61  
 <211> 101  
 <212> DNA  
 <213> Homo Sapiens

<400> 61  
 ggaaataaaag aagacaactc ttttcctaag agtctgggta aaattgaaca yagccatatt 60  
 cactgaacaa catgagtgag cttcattaat ttaagcacag c 101

<210> 62  
 <211> 101  
 <212> DNA  
 <213> Homo Sapiens

<400> 62  
 ccatattcac tgaacaacat gagtgagctt cattaattta agcacagcaa ractgcttta 60  
 attaacaaga ccagagagaa gggagaggag actacatttg t 101

<210> 63  
 <211> 101  
 <212> DNA  
 <213> Homo Sapiens

<400> 63  
 gtgacatatt agacttctta ctttcccaa ataaaaaagt gcctgctggg ygcggtggct 60  
 cacgcctgta attccagcac tttgggaggc cgaggcgggc g 101

<210> 64  
 <211> 101  
 <212> DNA  
 <213> Homo Sapiens

<400> 64  
 gcgcggtggc tcacgcctgt aattccagca ctttgggagg ccgaggcggg yggaacacaa 60  
 ggtcaggaga tcaagaccat cctggccaat atggtaaaac c 101

<210> 65



<211> 101  
 <212> DNA  
 <213> Homo Sapiens

<400> 65  
 atacaaaatt aggaaggcgt ggtggtgcac gcctgtaatc ccagctagtc rggaggctga 60  
 ggcaggagaa ttgcttgaac tggggaggcg gaagttgcag t 101

<210> 66  
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 <212> DNA  
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 <222> (51)..(51)  
 <223> "a" repeats indefinitely

<400> 66  
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 gccatgctat gtgcccaaag tttccttcac acaacacagc c 101

<210> 67  
 <211> 101  
 <212> DNA  
 <213> Homo Sapiens

<400> 67  
 ttagagccag tcagaattca atctccaata tctgactag cacaagaaat ycatagggtg 60  
 attcttggtc tctgcatct ctgcagggtg caaacctgat t 101

<210> 68  
 <211> 101  
 <212> DNA  
 <213> Homo Sapiens

<400> 68  
 ttgtgtgttt tcttaataaa ctttaccac ttattaaaag aataaaatga rrgtgagtt 60  
 aattctgact acgggattcc ttttccactt ttataatgaa c